JAN 1 4 2002 35

SEQUENCE LISTING

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<110> Kornbluth, Richard S
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      Sato, T A.
      Maliszewski, C R.
      Fanslow, William C.
<302> Recombinant human CD40 ligand stimulates B cell
      proliferation and immunoglobulin E secretion.
<303> J. Exp. Med.
<304> 176
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<307> 1992
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<302> Mouse surfactant protein-D. cDNA cloning,
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<303> J. Immunol.
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Pro Gly Leu Lys Gly Asp Arg Gly Val Pro Gly Asp Arg Gly Ile Lys ggt gaa agc ggg ctt cca gac agt gct gct ctg agg cag cag atg gag Gly Glu Ser Gly Leu Pro Asp Ser Ala Ala Leu Arg Gln Gln Met Glu qcc tta aaa gga aaa cta cag cgt cta gag gtt gcc ttc tcc cac tat Ala Leu Lys Gly Lys Leu Gln Arg Leu Glu Val Ala Phe Ser His Tyr cag aaa gct gca ttg ttc cct gat ggc cat aga agg ttg gac aag ata Gln Lys Ala Ala Leu Phe Pro Asp Gly His Arg Arg Leu Asp Lys Ile gaa gat gaa agg aat ctt cat gaa gat ttt gta ttc atg aaa acg ata Glu Asp Glu Arg Asn Leu His Glu Asp Phe Val Phe Met Lys Thr Ile caq aga tgc aac aca gga gaa aga tcc tta tcc tta ctg aac tgt gag Gln Arg Cys Asn Thr Gly Glu Arg Ser Leu Ser Leu Leu Asn Cys Glu gag att aaa agc cag ttt gaa ggc ttt gtg aag gat ata atg tta aac Glu Ile Lys Ser Gln Phe Glu Gly Phe Val Lys Asp Ile Met Leu Asn aaa qaq qaq acq aaq aaa qaa aac agc ttt gaa atg caa aaa ggt gat Lys Glu Glu Thr Lys Lys Glu Asn Ser Phe Glu Met Gln Lys Gly Asp caq aat cct caa att qcq qca cat qtc ata aqt qaq qcc agc agt aaa Gln Asn Pro Gln Ile Ala Ala His Val Ile Ser Glu Ala Ser Ser Lys aca aca tot gtg tta cag tgg got gaa aaa gga tac tac acc atg agc Thr Thr Ser Val Leu Gln Trp Ala Glu Lys Gly Tyr Tyr Thr Met Ser aac aac ttg gta acc ctg gaa aat ggg aaa cag ctg acc gtt aaa aga

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<223> Description of Artificial Sequence: Murine surfactant protein D (without the CRD) fused to the extracellular portion of human CD40L

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<301> Anderson, D M.
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<302> A homologue of the TNF receptor and its ligand enhance
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<303> Nature
<304> 390
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Pro Gly Leu Pro Gly Pro Met Gly Leu Ser Gly Leu Gln Gly Pro Thr 65 70 75 80

Gly Pro Val Gly Pro Lys Gly Glu Asn Gly Ser Ala Gly Glu Pro Gly 85 90 95

Pro Lys Gly Glu Arg Gly Leu Ser Gly Pro Pro Gly Leu Pro Gly Ile 100 105 110

Pro Gly Pro Ala Gly Lys Glu Gly Pro Ser Gly Lys Gln Gly Asn Ile 115 120 125

Gly Pro Gln Gly Lys Pro Gly Pro Lys Gly Glu Ala Gly Pro Lys Gly

130 135 140

Glu Val Gly Ala Pro Gly Met Gln Gly Ser Thr Gly Ala Lys Gly Ser Thr Gly Pro Lys Gly Glu Arg Gly Ala Pro Gly Val Gln Gly Ala Pro Gly Asn Ala Gly Ala Ala Gly Pro Ala Gly Pro Ala Gly Pro Gln Gly Ala Pro Gly Ser Arg Gly Pro Pro Gly Leu Lys Gly Asp Arg Gly Val Pro Gly Asp Arg Gly Ile Lys Gly Glu Ser Gly Leu Pro Asp Ser Ala Ala Leu Arg Gln Gln Met Glu Ala Leu Lys Gly Lys Leu Gln Arg Leu Glu Val Ala Phe Ser His Tyr Gln Lys Ala Ala Leu Phe Pro Asp Gly Arq Ala Gln Met Asp Pro Asn Arq Ile Ser Glu Asp Ser Thr His Cys Phe Tyr Arg Ile Leu Arg Leu His Glu Asn Ala Gly Leu Gln Asp Ser Thr Leu Glu Ser Glu Asp Thr Leu Pro Asp Ser Cys Arg Arg Met Lys Gln Ala Phe Gln Gly Ala Val Gln Lys Glu Leu Gln His Ile Val Gly Pro Gln Arg Phe Ser Gly Ala Pro Ala Met Met Glu Gly Ser Trp Leu Asp Val Ala Gln Arg Gly Lys Pro Glu Ala Gln Pro Phe Ala His Leu Thr Ile Asn Ala Ala Ser Ile Pro Ser Gly Ser His Lys Val Thr Leu Ser Ser Trp Tyr His Asp Arg Gly Trp Ala Lys Ile Ser Asn Met Thr Leu Ser Asn Gly Lys Leu Arg Val Asn Gln Asp Gly Phe Tyr Tyr Leu

Tyr Ala Asn Ile Cys Phe Arq His His Glu Thr Ser Gly Ser Val Pro 410 415 405 Thr Asp Tyr Leu Gln Leu Met Val Tyr Val Val Lys Thr Ser Ile Lys 420 425 430 Ile Pro Ser Ser His Asn Leu Met Lys Gly Gly Ser Thr Lys Asn Trp 435 440 445 Ser Gly Asn Ser Glu Phe His Phe Tyr Ser Ile Asn Val Gly Gly Phe 460 455 Phe Lys Leu Arg Ala Gly Glu Glu Ile Ser Ile Gln Val Ser Asn Pro 475 465 470 480 Ser Leu Leu Asp Pro Asp Gln Asp Ala Thr Tyr Phe Gly Ala Phe Lys 490 485 Val Gln Asp Ile Asp 500 <210> 5 <211> 1477 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Murine surfactant protein D (except CRD) fused to the extracellular domain of murine CD40 ligand <220> <221> 5'UTR <222> (7)..(31) <223> 5' UTR from rat surfactant protein D <220> <221> sig peptide <222> (32)..(88) <223> Signal peptide from murine surfactant protein D <220> <221> CDS <222> (32)..(1441) <220> <221> misc recomb <222> (88)..(799)

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<213> Artificial Sequence

<223> Description of Artificial Sequence: Murine surfactant protein D (except CRD) fused to the extracellular domain of murine CD40 liquid

<400> 6 Met Leu Pro Phe Leu Ser Met Leu Val Leu Leu Val Gln Pro Leu Gly 15 Asn Leu Gly Ala Glu Met Lys Ser Leu Ser Gln Arg Ser Val Pro Asn 20 30 Thr Cys Thr Leu Val Met Cys Ser Pro Thr Glu Asn Gly Leu Pro Gly 45 35 4 N Arg Asp Gly Arg Asp Gly Arg Glu Gly Pro Arg Gly Glu Lys Gly Asp Pro Gly Leu Pro Gly Pro Met Gly Leu Ser Gly Leu Gln Gly Pro Thr 65 Gly Pro Val Gly Pro Lys Gly Glu Asn Gly Ser Ala Gly Glu Pro Gly Pro Lys Gly Glu Arg Gly Leu Ser Gly Pro Pro Gly Leu Pro Gly Ile Pro Gly Pro Ala Gly Lys Glu Gly Pro Ser Gly Lys Gln Gly Asn Ile 125 115 120 Gly Pro Gln Gly Lys Pro Gly Pro Lys Gly Glu Ala Gly Pro Lys Gly 130 135 Glu Val Gly Ala Pro Gly Met Gln Gly Ser Thr Gly Ala Lys Gly Ser 150 155 160 145 Thr Gly Pro Lys Gly Glu Arg Gly Ala Pro Gly Val Gln Gly Ala Pro 165 170 175 Gly Asn Ala Gly Ala Ala Gly Pro Ala Gly Pro Ala Gly Pro Gln Gly 180 185 Ala Pro Gly Ser Arg Gly Pro Pro Gly Leu Lys Gly Asp Arg Gly Val 200 Pro Gly Asp Arg Gly Ile Lys Gly Glu Ser Gly Leu Pro Asp Ser Ala 220 215 Ala Leu Arg Gln Gln Met Glu Ala Leu Lys Gly Lys Leu Gln Arg Leu 240 225 230 235

Glu Val Ala Phe Ser His Tyr Gln Lys Ala Ala Leu Phe Pro Asp Gly His Arg Arg Leu Asp Lys Val Glu Glu Val Asn Leu His Glu Asp Phe Val Phe Ile Lys Lys Leu Lys Arg Cys Asn Lys Gly Glu Gly Ser Leu Ser Leu Leu Asn Cys Glu Glu Met Arg Arg Gln Phe Glu Asp Leu Val Lys Asp Ile Thr Leu Asn Lys Glu Glu Lys Lys Glu Asn Ser Phe Glu Met Gln Arg Gly Asp Glu Asp Pro Gln Ile Ala Ala His Val Val Ser Glu Ala Asn Ser Asn Ala Ala Ser Val Leu Gln Trp Ala Lys Lys Gly Tyr Tyr Thr Met Lys Ser Asn Leu Val Met Leu Glu Asn Gly Lys Gln Leu Thr Val Lys Arg Glu Gly Leu Tyr Tyr Val Tyr Thr Gln Val Thr Phe Cys Ser Asn Arg Glu Pro Ser Ser Gln Arg Pro Phe Ile Val Gly Leu Trp Leu Lys Pro Ser Ile Gly Ser Glu Arg Ile Leu Leu Lys Ala Ala Asn Thr His Ser Ser Gln Leu Cys Glu Gln Gln Ser Val His Leu Gly Gly Val Phe Glu Leu Gln Ala Gly Ala Ser Val Phe Val Asn Val Thr Glu Ala Ser Gln Val Ile His Arg Val Gly Phe Ser Ser Phe Gly Leu Leu Lys Leu